## Author Index to Volume 67, 1998

Abyzov, S.S., Mitskevich, I.N., and Poglazova, M.N., Microflora of the Deep Glacier Horizons of Central Antarctica, no. 4, pp. 451–458.

Aleksandrova, E.A., Zav'yalova, L.A., Tereshina, V.M., Garibova, L.V., and Feofilova, E.P., Obtaining of Fruiting Bodies and Submerged Mycelium of *Lentinus edodes* (Berk.) Sing [*Lentinula edodes* (Berk.) Pegler], no. 5, pp. 535–539.

Alekseeva, O.V., see Kalebina, T.S.

Alen'kina, S.A., Petrova, L.P., and Nikitina, V.E., Obtaining and Characterization of a Mutant of Azospirillum brasilense Sp7 Defective in Lectin Activity, no. 6, pp. 649–653.

Aminova, L.R. and Trotsenko, Yu.A., Metabolism of Methanol and Xylose in a Catalase-Negative Mutant of *Hansenula polymorpha* Grown on Combined Substrates, no. 4, pp. 373–377.

Anan'eva, E.P. and Vitovskaya, G.A., Heteroglycan Produced by the Yeast Sporobolomyces albo-rubescens VKM Y-2450, no. 2, pp. 181–183.

Andreev, S.V., see Minkevich, I.G.

Antonyuk, L.P., see Sumaroka, M.V.

Ariskina, E.V., see Vainshtein, M.B.

Astapovich, N.I., see Novik, G.I.

Averina, O.V., Lysenko, A.M., Ermakova, L.M., Ogai, D.K., and Sukhodolets, V.V., DNA Homology among Strains of Thermophilic and Mesophilic Lactic Streptococci Obtained from Different Sources, no. 6, pp. 657–662.

Bab'eva, I.P., Tausonia pamirica gen. nov. sp. nov., a Psychrophilic Yeast-like Micromycete from the Soils of Pamir, no. 2, pp. 189–194.

Babykin, M.M., see Fedorov, A.S.

Baranova, S.V., see Kalyuzhnaya, M.G.

Baryshnikova, L.M., see Matys, V.Yu.

Batomunkueva, B., see Landau, N.S.

Belimov, A.A., Ivanchikov, A.Yu., and Vorob'ev, N.I., The Effect of Predominant Microflora of the Barley Rhizoplane on the Interaction between Introduced Diazotrophs and the Plant, no. 3, pp. 340–345.

Belimov, A.A., Kunakova, A.M., and Gruzdeva, E.V., Influence of Soil pH on the Interaction of Associative Bacteria with Barley, no. 4, pp. 463–469.

Belyaev, A.S., see Sidorov, D.G.

Belyaev, S.S., Borzenkov, I.A., Glumov, I.F., Ibatullin, R.R., Milekhina, E.I., and Ivanov, M.V., Activation of the Geochemical Activity of Stratal Microflora as the Basis of a Biotechnology for Enhancement of Oil Recovery, no. 6, pp. 708–714.

Belyaev, S.S., see Milekhina, E.I.

Belyaev, S.S., see Nazina, T.N.

Belyaev, S.S., see Zvyagintseva, I.S.

Belyaeva, M.I., see Tarasova, N.B.

Belyavskaya, V.A., see Maksimova, E.E.

Bogdanova, T.I., see Kondrat'eva, T.F.

Bogdanova, T.I., see Krasil'nikova, E.N.

Bonch-Osmolovskaya, E.A., see Miroshnichenko, M.L.

Borodina, N.V., see Pankratova, E.M.

Boronin, A.M., see Validov, Sh.Z.

Borzenkov, I.A., see Belyaev, S.S.

Borzenkov, I.A., see Milekhina, E.I.

Borzenkov, I.A., see Sidorov, D.G.

Botvinko, I.V., see Oleskin, A.V.

Botvinko, I.V., see Safronova, I.Yu.

Bul'on, V.V. and Pavel'eva, E.B., The Relationship between Bacterial Abundance and Concentration of Planktonic Chlorophyll in Freshwater Lakes, no. 2, pp. 215–219.

Bulina, T.I., Terekhova, L.P., and Tyurin, M.V., Use of Electric Pulses for Selective Isolation of Actinomycetes from Soil, no. 4, pp. 459–462.

Chalenko, G.I., see Ozeretskovskaya, O.L.

Chekulaeva, L.N., see Elfimova, L.I.

Cherdyntseva, T.A., see Vorob'eva, L.I.

Chernaya, N.A., see Romanovskaya, V.A.

Chernova, T.A., see Paromenskaya, L.N.

Chernyavskaya, O.G., see Il'chenko, A.P.

Churikova, V.V., see Grabovich, M.Yu.

Daushvili, L.P., see Elisashvili, V.I.

Davey, H.M., see Votyakova, T.V.

Davydova, M.N., Mukhitova, F.K., and Ibatullin, R.R., Anaerobic Oil Transformation by Cell Extracts of *Desulfovibrio desulfuricans*, no. 2, pp. 165–169.

Davydova, M.N., see Mityashina, S.Yu.

Dermicheva, S.G., see Koronelli, T.V.

Dmitriev, V.V., see Duda, V.I.

Dobritsa, A.P., see Koretskaya, N.G.

Dobrovol'skaya, T.G., see Somova, N.G.

Dorofeev, A.G., see Makarov, A.A.

Doronina, N.V., Sakharovskii, V.G., Drachyuk, S.V., and Trotsenko, Yu.A., Organic Osmoprotectants of Aerobic, Moderately Halophilic Methylotrophic Bacteria, no. 4, pp. 378–382.

Dorozhkova, I.R., see Zhilenkov, E.L.

Drachyuk, S.V., see Doronina, N.V.

Dubinina, G.A., see Grabovich, M.Yu.

Duda, V.I., Il'chenko, A.P., Dmitriev, V.V., Shorokhova, A.P., and Suzina, N.E., Isolation and Characterization of a Flavohemoprotein from the Gram-Negative Bacterium Alcaligenes sp. d<sub>2</sub>, no. 1, pp. 7–12. Dzyuban, A.N., The Number of Bacteria and the Processes of Methane Production and Oxidation in Bottom Sediments of Reservoirs on the Volga and Kama Rivers, no. 4, pp. 473–475.

Egorov, N.S., see Landau, N.S.

Egorov, N.S., see Stoyanova, L.G.

Egorova, T.S. and Ismailov, A.D., Factors Influencing the Intensity of Luminescence of *Photobacterium phosphoreum* Grown in Submerged Culture, no. 2, pp. 148–152.

Elfimova, L.I., Saburova, E.A., and Chekulaeva, L.N., Ammonium Activation of the Halophilic Alanine Dehydrogenase from *Halobacterium salinarium*, no. 3, pp. 258–263.

Elisashvili, V.I., Daushvili, L.P., Zakariashvili, N.G., Kachlishvili, E.T., Kiknadze, M.O., and Tusishvili, Kh.A., Effect of Supplementary Carbon Sources and Exogenous Phenolic Compounds on the Lignocellulolytic System of *Cerrena unicolor* during the Solid-State Fermentation of Grapevine Cutting Wastes, no. 1, pp. 33–37.

Ermakova, L.M., see Averina, O.V.

Erokhin, Yu.E., see Sidorova, T.N.

Erokhina, L.G., Vishnivetskaya, T.A., and Gilichinskii, D.A., The Content and Composition of Phycobilisome Pigments in Cells of Ancient Viable Cyanobacteria from Arctic Permafrost, no. 6, pp. 682–687.

Eroshin, V.K., see Minkevich, I.G.

Evtushenko, L.I., see Potekhina, N.V.

Fedorov, A.S., Troshina, O.Yu., Laurinavichene, T.V., Glazer, V.M., Babykin, M.M., Zinchenko, V.V., Yakunin, A.F., and Tsygankov, A.A., Regulatory Effect of Ammonium on the Nitrogenase Activity of *Rhodobacter sphaeroides* and *Rhodobacter capsulatus* Is Not Mediated by ADP-Ribosylation of the Fe-Protein of Nitrogenase, no. 6, pp. 610–615.

Feofilova, E.P., Gornova, I.B., Memorskaya, A.S., and Garibova, L.V., Lipid Composition of *Lentinus edodes* (Berk.) Sing [ *Lentinula edodes* (Berk.) Pegler] Fruiting Bodies and Submerged Mycelium, no. 5, pp. 540–544.

Feofilova, E.P., see Aleksandrova, E.A.

Filippova, S.N., see Kuznetsov, V.D.

Finogenova, T.V., see Il'chenko, A.P.

Finogenova, T.V., see Solodovnikova, N.Yu.

Fomchenkov, V.M., Kholodenko, V.P., Irkhina, I.A., and Petrunina, T.A., Effect of Oil and Oil Products on the Barrier Function of the Plasma Membrane of Bacterial Cells, no. 3, pp. 275–278.

Fomchenkov, V.M., see Zhilenkov, E.L.

Fraikin, G.Ya., see Strakhovskaya, M.G.

Funtikova, N.S., Mysyakina, I.S., and Poglazova, M.N., Fatty Acid and Lipid Composition of *Mucor lusitanicus* in Relation to Its Dimorphic Growth under Extreme Conditions, no. 4, pp. 401–406.

Funtikova, N.S., Pan'kina, O.I., Mysyakina, I.S., and Konova, I.V., Synthesis of gamma-Linolenic Acid and Carotenoids by Fungi Mucorales, no. 3, pp. 286–288.

Garibova, L.V., see Aleksandrova, E.A. Garibova, L.V., see Feofilova, E.P.

Gavryushkin, A.V., see Zhilenkov, E.L.

Gerasimenko, L.M., Goncharova, I.V., and Zaitseva, L.V., Effect of Phosphorus Concentration on the Growth and Mineralization of Cyanobacteria, no. 2, pp. 205–209.

Gerasimov, B.N., see Koretskaya, N.G.

Gerasimova, N.G., see Ozeretskovskaya, O.L.

Gilichinskii, D.A., see Erokhina, L.G.

Glagoleva, O.B., Biological Fixation of Molecular Nitrogen: Fundamental and Applied Research, no. 2, pp. 238– 240.

Glazer, V.M., see Fedorov, A.S.

Glukhovchenko, M.N., see Smirnova, G.V.

Glumov, I.F., see Belyaev, S.S.

Golovchenko, A.V., see Polyanskaya, L.M.

Golovlev, E.L., An Alternative State of Asporogeneous Bacteria, no. 6, pp. 601–609.

**Golovley, E.L.**, On the Old Problems of the New Bacterial Systematics, no. 2, pp. 232–237.

Golovlev, E.L., Phenotype Metastability in Bacteria, no. 2, pp. 119–124.

Golovlev, E.L., see Matys, V.Yu.

Golovleva, L.A. and Leont'evskii, A.A., Ligninolytic Activity of Wood-decaying Fungi, no. 5, pp. 477–482.

Golubev, V.I. and Nakase, T., Mycocinogeny in the Genus *Bullera*: Killer Activity of *Bullera unica* and Intrageneric Killer-Sensitive Relationships, no. 2, pp. 184–188.

Goncharova, I.V., see Gerasimenko, L.M.

Gordeeva, E.A., see Zinchenko, A.A.

Gorlenko, V.M., see Kuntikov, E.I.

Gorlenko, V.M., see Sidorova, T.N.

Gornova, I.B., see Feofilova, E.P.

Grabovich, M.Yu., Dubinina, G.A., Lebedeva, V.Yu., and Churikova, V.V., Mixotrophic and Lithoheterotrophic Growth of the Freshwater Filamentous Sulfur Bacterium Beggiatoa leptomitiformis D-402, no. 4, pp. 383–388.

Grishko, V.N., Microbial Cenosis in Soils Polluted by Fluorine-containing Acidic Industrial Emissions, no. 3, pp. 346–350.

Gruzdeva, E.V., see Belimov, A.A.

Gulikova, O.M., see Landau, N.S.

Gusev, M.V., see Saari, L.A.

Gusyatiner, M.M., see Tyurin, M.V.

**Guzev, V.S., Semenyuk, N.N., and Levin, S.V.**, The Kinetics and Micromorphology of Cellophane Decomposition in Soil, no. 6, pp. 700–707.

Hippe, H., see Miroshnichenko, M.L.

Ibatullin, R.R., see Belyaev, S.S.

Ibatullin, R.R., see Davydova, M.N.

Ibatullin, R.R., see Nazina, T.N.

Ignatov, V.V., see Sumaroka, M.V.

Il'chenko, A.P., see Duda, V.I.

Il'chenko, A.P., Shishkanova, N.V., Chernyavskaya, O.G., and Finogenova, T.V., Oxygen Concentration as a Factor Controlling Central Metabolism and Citric Acid Biosynthesis in the Yeast Yarrowia lipolytica Grown on Ethanol, no. 3, pp. 241–244. Il'inskaya, L.I., see Ozeretskovskaya, O.L.

Il'inskaya, O.N., see Kipenskaya, L.V.

Il'inskii, V.V., Porshneva, O.V., Komarova, T.I., and Koronelli, T.V., The Effect of Petroleum Hydrocarbons on the Hydrocarbon-oxidizing Bacteriocenosis in the Southeast Part of the Mozhaiskoe Water Storage Basin, no. 2, pp. 220–225.

Imhoff, J.F., see Kompantseva, E.I.

Iordan, E.P., see Pryanishnikova, N.I.

Irkhina, I.A., see Fomchenkov, V.M.

Ismailov, A.D., see Egorova, T.S.

Ivanchikov, A.Yu., see Belimov, A.A.

Ivanov, A.Yu., see Zhilenkov, E.L.

Ivanov, M.V., see Belyaev, S.S.

Ivanov, M.V., see Nazina, T.N.

Ivanov, M.V., see Rusanov, I.I.

Ivanov, M.V., see Sidorov, D.G.

Ivanova, A.E. and Marfenina, O.E., Peculiarities of Microcolony Formation by Microscopic Fungi during Asexual and Vegetative Reproduction, no. 1, pp. 114–115.

Ivanova, A.E., see Nazina, T.N.

Ivanova, E.V., see Strakhovskaya, M.G.

Ivanovskii, R.N., see Somova, N.G.

Ivanovskii, R.N., see Zyakun, A.M.

Ivoilov, V.S., see Nazina, T.N.

Kachlishvili, E.T., see Elisashvili, V.I.

Kadnikova, N.G., see Novik, G.I.

Kalacheva, G.S., see Volova, T.G.

Kalebina, T.S., Alekseeva, O.V., Nurminskaya, M.V., Zhang Xiping, and Kulaev, I.S., Effect of Proteinases with Different Substrate Specificities on the Secretion of Invertase from Candida utilis Cells, no. 3, pp. 294–296.

Kalyuzhin, V.A., Effect of 2,4-Dinitrophenol on the Resistance of a Turbidostat Yeast Culture to Heat Shock, no. 4, pp. 393–396.

Kalyuzhin, V.A., The Growth of a Turbidostat Yeast Culture in the Presence of High Concentrations of Various Compounds in a Steady-State Regime and under Osmotic Shock, no. 5, pp. 499–503.

Kalyuzhnaya, M.G., Khmelenina, V.N., Starostina, N.G., Baranova, S.V., Suzina, N.E., and Trotsenko, Yu.A., A New Moderately Halophilic Methanotroph of the Genus *Methylobacter*, no. 4, pp. 438–444.

Kandaurova, G.F., see Nazina, T.N.

Kaprel'yants, A.S., see Votyakova, T.V.

Karavaiko, G.I., see Kondrat'eva, T.F.

Karavaiko, G.I., see Krasil'nikova, E.N.

Karavaiko, G.I., see Severina, L.O.

Kell, D.B., see Votyakova, T.V.

Keppen, O.I., see Zyakun, A.M.

Kerzhentsev, A.S., see Markelova, N.Yu.

Khmelenina, V.N., see Kalyuzhnaya, M.G.

Khodzhaev, E.Yu., see Zinchenko, A.A.

Kholodenko, V.P., see Fomchenkov, V.M.

Kiknadze, M.O., see Elisashvili, V.I.

Kipenskaya, L.V., Kupriyanova-Ashina, F.G., Il'inskaya, O.N., Kolpakov, A.I., and Leshchinskaya, I.B., Effect of *Bacillus intermedius* Ribonucleases with Different Catalytic Activities on the Growth of *Escherichia coli* and *Bacillus subtilis*, no. 2, pp. 133–136.

Kirovskaya, T.A., see Oleskin, A.V.

Klimenko, V.V., see Validov, Sh.Z.

Kolpakov, A.I., see Kipenskava, L.V.

Komarova, T.I., Porshneva, O.V., and Koronelli, T.V., Formation of Trehalose by R and S variants of *Rhodococcus erythropolis*, no. 3, pp. 356–360.

Komarova, T.I., see Il'inskii, V.V.

Komarova, T.I., see Koronelli, T.V.

Kompantseva, E.I. and Panteleeva, E.E., Strains of the Halophilic Species *Rhodobium marinum* That Inhabit Freshwater Hot Springs, no. 1, pp. 98–104.

Kompantseva, E.I., Panteleeva, E.E., Lysenko, A.M., Imhoff, J.F., Thiemann, B., and Mityushina, L.L., Taxonomic Analysis of a Group of Strains of Bacteriochlorophyll b-containing Purple Bacteria of the Genus Blastochloris, no. 3, pp. 323–329.

Kondrat'eva, T.F., Melamud, V.S., Tsaplina, I.A., Bogdanova, T.I., Senyushkin, A.A., Pivovarova, T.A., and Karavaiko, G.I., Peculiarities in the Chromosomal DNA Structure in *Sulfobacillus thermosulfidooxidans* Analyzed by Pulsed-Field Gel Electrophoresis, no. 1, pp. 13–18.

Konev, Yu.E., see Kuznetsov, V.D.

Konova, I.V., see Funtikova, N.S.

Konova, I.V., see Pan'kina, O.I.

Kopylov, A.I. and Kosolapov, D.B., Total Bacterial Cell Number and the Number of Nucleoid-containing Cells in Various Biotopes of Rybinsk Reservoir, no. 6, pp. 715– 720.

Koretskaya, N.G., Loseva, O.I., Gerasimov, B.N., Pryamchuk, S.D., Svetoch, O.E., and Dobritsa, A.P., Expression of the δ-Endotoxin *cryIIIA* Gene of *Bacillus thuringiensis* in the Recombinant *Pseudomonas putida* Strain under the Control of the Pm Promoter and the Regulator Gene *xylS*, no. 3, pp. 289–293.

Korobova, O.V., see Zhilenkov, E.L.

Koronelli, T.V., Komarova, T.I., Porshneva, O.V., and Dermicheva, S.G., Lipid Composition Changes in the R and S Variants of *Rhodococcus erythropolis* after Prolonged Storage on Laboratory Media, no. 5, pp. 597–600.

Koronelli, T.V., see Il'inskii, V.V.

Koronelli, T.V., see Komarova, T.I.

Kosenko, L.V. and Mandrovskaya, N.M., Effect of Pea Lectin on the Growth of Pea Microsymbionts and Exoglycan Biosynthesis, no. 5, pp. 515–519.

Kosolapov, D.B., see Kopylov, A.I.

Kostina, N.V., see Skvortsova, N.G.

Kostrikina, N.A., see Milekhina, E.I.

Kostrikina, N.A., see Miroshnichenko, M.L.

Kostrikina, N.A., see Pikuta, E.V.

Kostrikina, N.A., see Zvyagintseva, I.S.

Kozlova, E.V., see Validov, Sh.Z.

Kozlovskii, A.G., Vinokurova, N.G., and Ozerskaya, S.M., Peculiarities of Alkaloid Formation in *Penicillium*  chrysogenum Strains Isolated from Soils of Different Climatic Zones, no. 4, pp. 397–400.

Krasil'nikova, E.N., Bogdanova, T.I., Zakharchuk, L.M., Tsaplina, I.A., and Karavaiko, G.I., Metabolism of Reduced Sulfur Compounds in Sulfobacillus thermosulfidooxidans, strain 1269, no. 2, pp. 125–132.

Krasnov, S.I., see Znamenskaya, L.V.

Kruglov, Yu.V., see Paromenskaya, L.N.

Kudryashova, E.B., see Vainshtein, M.B.

Kudryavtseva, A.I., see Zyakun, A.M.

Kul'ko, A.B. and Marfenina, O.E., Species Composition of Microscopic Fungi in Urban Snow Cover, no. 4, pp. 470– 472.

Kulaev, I.S., see Kalebina, T.S.

Kulaev, I.S., see Vagabov, V.M.

Kunakova, A.M., see Belimov, A.A.

Kuntikov, E.I. and Gorlenko, V.M., Interrelation between Halo- and Thermotolerance in Anoxygenic Phototrophic Bacteria, no. 3, pp. 245–250.

Kupriyanova-Ashina, F.G., see Kipenskaya, L.V.

Kurakov, A.V., see Landau, N.S.

Kuz'min, N.P., see Validov, Sh.Z.

Kuznetsov, V.D., Filippova, S.N., Konev, Yu.E., Shenin, Yu.D., and Mitrofanova, V.G., Taxonomic Revision of Streptomyces limosus ISP 5131 and Streptomyces levoris ISP 5202 and Reinstatement of the Species Name Streptomyces levoris (ex Korenyako et al. 1960) nom. rev, no. 4, pp. 445–450.

Landau, N.S., Kurakov, A.V., Gulikova, O.M., Batomunkueva, B., Strukova, S.M., and Egorov, N.S., Extracellular Proteinases with Fibrinolytic and Anticoagulant Properties in Micromycetes, no. 2, pp. 176–180.

Laurinavichene, T.V., see Fedorov, A.S.

Lavlinskii, D.Yu., see Tarakanov, B.V.

Lebedeva, V.Yu., see Grabovich, M.Yu.

Leont'evskii, A.A., see Golovleva, L.A.

Leshchinskaya, I.B., see Kipenskaya, L.V.

Leshchinskaya, I.B., see Znamenskaya, L.V.

Levin, S.V., see Guzev, V.S.

Loseva, O.I., see Koretskava, N.G.

Lotareva, O.V. and Prozorov, A.A., Defective Phages as an Antagonistic Factor of Closely Related Bacilli, no. 6, pp. 654–656.

Lysak, L.V., see Oleskin, A.V.

Lysenko, A.M., see Averina, O.V.

Lysenko, A.M., see Kompantseva, E.I.

Lysenko, A.M., see Vasil'eva, L.V.

Makarov, A.A., Dorofeev, A.G., and Panikov, N.S., Cell Shape and Size of Starving Microorganisms as Determined by Computer Image Analysis, no. 3, pp. 264–270.

Makhneva, Z.K., see Sidorova, T.N.

Maksimova, E.E., Popova, L.Yu., Shpagina, V.V., Belyavskaya, V.A., and Pechurkin, N.S., Effect of Environmental Factors on the Expression of the Catabolite-Dependent lux-Operon Borne by a Recombinant Plasmid, no. 2, pp. 137–141.

Malashenko, Yu.R., see Romanovskaya, V.A.

Mandrovskaya, N.M., see Kosenko, L.V.

Marfenina, O.E., see Ivanova, A.E.

Marfenina, O.E., see Kul'ko, A.B.

Markarova, E.N., see Saari, L.A.

Markelova, N.Yu. and Kerzhentsev, A.S., Isolation of a New Strain of the Genus *Bdellovibrio* from Plant Rhizosphere and Its Lytic Spectrum, no. 6, pp. 696–699.

Mashkina, L.P., see Zyakun, A.M.

Matora, L.Yu., Shvartsburd, B.I., and Shchegolev, S.Yu., Immunochemical Analysis of *O*-Specific Polysaccharides from the Soil Nitrogen-fixing Bacterium *Azospirillum brasilense*, no. 6, pp. 677–681.

Matys, V.Yu., Baryshnikova, L.M., and Golovlev, E.L., Adaptation of Bacteria of the Genera *Rhodococcus* and *Gordona* to Stress Conditions, no. 6, pp. 616–619.

Medentsev, A.G., see Solodovnikova, N.Yu.

Melamud, V.S., see Kondrat'eva, T.F.

Memorskaya, A.S., see Feofilova, E.P.

Mikhailov, V.V., see Terent'ev, L.L.

Mil'ko, E.S., Survival of Dissociants of a Hydrocarbon-oxidizing *Pseudomonas aeruginosa* Strain during Storage, no. 1, pp. 86–88.

Milekhina, E.I., Borzenkov, I.A., Zvyagintseva, I.S., Kostrikina, N.A., and Belyaev, S.S., Characterization of a Hydrocarbon-oxidizing *Rhodococcus erythropolis* Strain Isolated from an Oil Field, no. 3, pp. 271–274.

Milekhina, E.I., Borzenkov, I.A., Zvyagintseva, I.S., Kostrikina, N.A., and Belyaev, S.S., Ecological and Physiological Characterization of Aerobic Eubacteria from Oil Fields of Tatarstan, no. 2, pp. 170–175.

Milekhina, E.I., see Belyaev, S.S.

Miller, Yu.M., see Nazina, T.N.

Miller, Yu.M., see Sidorov, D.G.

Minkevich, I.G., Andreev, S.V., and Eroshin, V.K., The Effect of Organic and Mineral Substrate Concentrations on the Value of Expenditures for Cell Maintenance, no. 2, pp. 142–147.

Miroshnichenko, M.L., Kostrikina, N.A., Hippe, H., Slobodkin, A.I., and Bonch-Osmolovskaya, E.A., Biodiversity of Thermophilic Sulfur-reducing Bacteria: New Substrates and New Habitats, no. 5, pp. 563–568.

Mitrofanova, V.G., see Kuznetsov, V.D.

Mitskevich, I.N., see Abyzov, S.S.

Mityashina, S.Yu. and Davydova, M.N., Characteristics of the Energy State of *Desulfovibrio desulfuricans* Cells Growing in Lactate–Sulfate Medium under an Atmosphere of Argon or Argon plus Carbon Monoxide, no. 4, pp. 389–392.

Mityushina, L.L., see Kompantseva, E.I.

Mityushina, L.L., see Sorokin, D.Yu.

Mogil'naya, O.A., see Puzyr', A.P.

Morgunov, I.G., see Solodovnikova, N.Yu.

Morozova, O.V., see Znamenskaya, L.V.

Moskalenko, A.A., see Sidorova, T.N.

Mukamolova, G.V., see Votyakova, T.V.

Mukhitova, F.K., see Davydova, M.N.

Muzyka, N.G., see Smirnova, G.V.

Mysyakina, I.S., see Funtikova, N.S.

Nakase, T., see Golubev, V.I.

Naumova, I.B., see Potekhina, N.V.

Nazina, T.N., Ivanova, A.E., Ivoilov, V.S., Miller, Yu.M., Ibatullin, R.R., Belyaev, S.S., and Ivanov, M.V., Microbiological and Geochemical Characterization of Carbonate Oil Collectors of Tatarstan, no. 5, pp. 575–581.

Nazina, T.N., Ivanova, A.E., Kandaurova, G.F., Ibatullin, R.R., Belyaev, S.S., and Ivanov, M.V., Microbiological Investigation of the Carbonate Collector of the Romashkinskoe Oil Field: Background Study before Testing a Biotechnology for the Enhancement of Oil Recovery, no. 5, pp. 582–589.

Nazina, T.N., see Tourova, T.P.

Nesterova, L.Yu., see Tkachenko, A.G.

Nikitin, D.I., see Sorokin, V.V.

Nikitin, D.I., Slabova, O.I., Pitryuk, I.A., Sorokin, V.V., and Oranskaya, M.S., Response of Psychroactive Oligotrophic Bacteria with an Unusual Lipid Composition to Cultivation Temperatures, no. 1, pp. 54–60.

Nikitina, E.S., see Sorokin, V.V.

Nikitina, V.E., see Alen'kina, S.A.

Nokel', E.A., see Zinchenko, A.A.

Novik, G.I., Astapovich, N.I., and Ryabaya, N.E., Retention of the Viability and Antagonistic Activity by Subcultured Bifidobacteria, no. 5, pp. 520–524.

Novik, G.I., Astapovich, N.I., Kadnikova, N.G., and Ryabaya, N.E., Retention of the Viability and Physiological Properties of Bifidobacteria during Storage by Cryopreservation and Lyophilization, no. 5, pp. 525–529.

Novik, G.I., Structural and Functional Organization of Bifidobacteria, no. 3, pp. 310–316.

Nurminskaya, M.V., see Kalebina, T.S.

Oborotov, M.V., see Zhilenkov, E.L.

Ogai, D.K., see Averina, O.V.

Oktyabr'skii, O.N., see Smirnova, G.V.

Oleskin, A.V., Kirovskaya, T.A., Botvinko, I.V., and Lysak, L.V., Effects of Scrotonin (5-Hydroxytryptamine) on the Growth and Differentiation of Microorganisms, no. 3, pp. 251–257.

Omel'chenko, M.V., see Vasil'eva, L.V.

Oparina, N.Yu., see Tyurin, M.V.

Oranskaya, M.S., see Nikitin, D.I.

Osipov, G.A., see Pikuta, E.V.

Osipov, G.A., see Tourova, T.P.

Ozeretskovskaya, O.L., Vasyukova, N.I., Il'inskaya, L.I., Chalenko, G.I., Gerasimova, N.G., and Perekhod, E.A., Induction and Suppression of Resistance to Phytophthora in Potato Tubers, no. 3, pp. 300–305.

Ozerskaya, S.M., see Kozlovskii, A.G.

Pan'kina, O.I. and Konova, I.V., Growth of Zygomycetes on Hydrocarbon Substrates and Synthesis of Fatty Acids, no. 6, pp. 620–624.

Pan'kina, O.I., see Funtikova, N.S.

Pan'kova, N.V., see Validov, Sh.Z.

Panikov, N.S., see Makarov, A.A.

Pankratova, E.M., Borodina, N.V., and Reznik, E.N., Nitrogen Fixation by the Nonheterocystous Cyanobacterium *Phormidium inundatum*, no. 6, pp. 625–631.

Panteleeva, E.E., see Kompantseva, E.I.

Paromenskaya, L.N., Chernova, T.A., and Kruglov, Yu.V., The Problem of Increasing the Herbicide Resistance of Legume–Rhizobial Symbiosis, no. 3, pp. 351–355.

Pavel'eva, E.B., see Bul'on, V.V.

Pechurkin, N.S., see Maksimova, E.E.

Perekhod, E.A., see Ozeretskovskaya, O.L.

Peshenko, V.P., see Zyakun, A.M.

Petrova, L.P., see Alen'kina, S.A.

Petrunina, T.A., see Fomchenkov, V.M.

Pikuta, E.V., Zhilina, T.N., Zavarzin, G.A., Kostrikina, N.A., Osipov, G.A., and Rainey, F.A., Desulfonatronum lacustre gen. nov., sp. nov.: A New Alkaliphilic Sulfatereducing Bacterium Utilizing Ethanol, no. 1, pp. 105– 113

Pimenov, N.V., see Rusanov, I.I.

Pitryuk, I.A., see Nikitin, D.I.

Pivovarova, T.A., see Kondrat'eva, T.F.

Plotnikov, V.F., see Volova, T.G.

Poglazova, M.N., see Abyzov, S.S.

Poglazova, M.N., see Funtikova, N.S.

Poltaraus, A.B., see Tourova, T.P.

Polyanskaya, L.M., Golovchenko, A.V., and Zvyagintsev, D.G., Determination of the Viability of Fungal Spores and Mycelium in Soil, no. 6, pp. 692–695.

Ponomareva, G.M., see Zinchenko, A.A.

Popov, V.I., see Votyakova, T.V.

Popova, L.Yu., see Maksimova, E.E.

Porshneva, O.V., see Il'inskii, V.V.

Porshneva, O.V., see Komarova, T.I.

Porshneva, O.V., see Koronelli, T.V.

Potekhina, N.V., Tul'skaya, E.M., Shashkov, A.S., Taran, V.V., Evtushenko, L.I., and Naumova, I.B., Species Specificity of Teichoic Acids in the Actinomycete Genus Glycomyces, no. 3, pp. 330-334.

Prozorov, A.A., see Lotareva, O.V.

Prozorov, A.A., The Bacterial Genome: Nucleoid, Chromosome, and Nucleotide Map, no. 4, pp. 361–372.

Pryamchuk, S.D., see Koretskaya, N.G.

Pryanishnikova, N.I. and Iordan, E.P., Vitamin B<sub>12</sub>— Dependent Synthesis of DNA in Streptomycetes, no. 1, pp. 19–22.

Pshenichnov, M.R., see Tkachenko, A.G.

Puchkova, N.N., see Sidorova, T.N.

Pusheva, M.A., see Vasil'eva, L.V.

Puzyr', A.P., Mogil'naya, O.A., and Tirranen, L.S., Architectonics of *Flavobacterium* sp. 56 and *Flavobacterium* sp. 22 Colonies as Exposed by Transmission Electron Microscopy, no. 5, pp. 555–562.

Rainey, F.A., see Pikuta, E.V.

Rasskazov, V.A., see Terent'ev, L.L.

Reznik, E.N., see Pankratova, E.M.

Rikhvanov, E.G., Sozinov, D.Yu., Varakina, N.N., and Voinikov, V.K., Stimulatory Effect of *Bacillus* sp. on the

Growth of the Yeast *Debaryomyces vanriji*, no. 5, pp. 530-534.

Rokitko, P.V., see Romanovskaya, V.A.

Romanenko, L.A., see Terent'ev, L.L.

Romanovskaya, V.A., Sokolov, I.G., Malashenko, Yu.R., and Rokitko, P.V., Mutability of Epiphytic and Soil Bacteria of the Genus *Methylobacterium* and Their Resistance to Ultraviolet and Ionizing Radiation, no. 1, pp. 89–97.

Romanovskaya, V.A., Sokolov, I.G., Rokitko, P.V., and Chernaya, N.A., Effect of Radioactive Contamination on Soil Bacteria in the 10-km Zone around the Chernobyl Nuclear Power Plant, no. 2, pp. 226–231.

Rostova, Yu.G., see Tyurin, M.V.

Rusanov, I.I., Savvichev, A.S., Yusupov, S.K., Pimenov, N.V., and Ivanov, M.V., Production of Exometabolites in the Microbial Oxidation of Methane in Marine Ecosystems, no. 5, pp. 590–596.

Ryabaya, N.E., see Novik, G.I.

Saari, L.A., Markarova, E.N., and Gusev, M.V., Effect of Sodium Limitation on the Uptake and Assimilation of Nitrate by Anabaena variabilis, no. 5, pp. 483–487.

Saburova, E.A., see Elfimova, L.I.

Safronova, I.Yu. and Botvinko, I.V., Intercellular Matrix of Bacillus subtilis 271: Composition and Functions, no. 1, pp. 45–50.

Safronova, I.Yu. and Semenova, E.V., Maleate *cis-trans*-Isomerase Activity of *Alcaligenes xylosoxidans* subsp. *xylosoxidans* 260, no. 1, pp. 23–27.

Sakharovskii, V.G., see Doronina, N.V.

Salakhetdinova, O.Ya., see Tkachenko, A.G.

Savel'eva, N.D., see Vasil'eva, L.V.

Savvichev, A.S., see Rusanov, I.I.

Semenova, E.V., see Safronova, I.Yu.

Semenyuk, N.N., see Guzev, V.S.

Senyushkin, A.A., see Kondrat'eva, T.F.

Senyushkin, A.A., see Severina, L.O.

Severina, L.O., Senyushkin, A.A., Suzina, N.E., and Karavaiko, G.I., Ultrastructural Organization of the Cell Wall Surface Layer in Sulfobacillus thermosulfidooxidans, no. 6, pp. 632-635.

Sharyshev, A.A., see Solodovnikova, N.Yu.

Shashkov, A.S., see Potekhina, N.V.

Shchegolev, S.Yu., see Matora, L.Yu.

Shchipanova, I.N., see Vagabov, V.M.

Shemyakin, I.G., see Zhilenkov, E.L.

Shenin, Yu.D., see Kuznetsov, V.D.

Shishkanova, N.V., see Il'chenko, A.P.

Shorokhova, A.P., see Duda, V.I.

Shpagina, V.V., see Maksimova, E.E.

Shtein-Margolina, V.A., see Votyakova, T.V.

Shul'ga, A.A., see Znamenskaya, L.V.

Shumarina, A.O., see Strakhovskaya, M.G.

Shvartsburd, B.I., see Matora, L.Yu.

Sibel'dina, L.A., see Vagabov, V.M.

Sidorov, D.G., Borzenkov, I.A., Belyaev, A.S., Miller, Yu.M., and Ivanov, M.V., Microbial Processes in the Thickness of a Raised Bog in the Middle Taiga, no. 2, pp. 210–214.

Sidorova, T.N., Makhneva, Z.K., Puchkova, N.N., Gorlenko, V.M., Erokhin, Yu.E., and Moskalenko, A.A., Characteristics of the Photosynthetic Apparatus of the Purple Bacterium *Thiocapsa* sp. BM3 Containing Okenone as a Major Carotenoid, no. 2, pp. 158–164.

Sinitskaya, I.A., see Tikhomirova, O.M.

Skvortsova, N.G., Umarov, M.M., and Kostina, N.V., The Effect of Nonleguminous Plant Inoculation with *Bacillus* polymyxa-Pseudomonas Mixed Cultures on Nitrogen Transformations in the Rhizosphere, no. 2, pp. 201–204.

Slabova, O.I., see Nikitin, D.I.

Slobodkin, A.I., see Miroshnichenko, M.L.

Smirnova, G.V., Muzyka, N.G., Glukhovchenko, M.N., and Oktyabr'skii, O.N., Hydrogen Peroxide Modulates Intracellular Levels of Thiols and Potassium in *Escherichia coli*, no. 5, pp. 488–493.

Sokolov, I.G., see Romanovskaya, V.A.

Solodovnikova, N.Yu., Sharyshev, A.A., Medentsev, A.G., Voloshin, A.N., Morgunov, I.G., and Finogenova, T.V., Dynamics of the Adenine Nucleotide Pool in *Yarrowia lipolytica* Cells Overproducing Organic Acids, no. 1, pp. 28–32.

Somova, N.G., Dobrovol'skaya, T.G., Zenova, G.M., and Ivanovskii, R.N., Microbial Growth on the Masonry Surface: Synecological Analysis, no. 5, pp. 569–574.

Sorokin, D.Yu. and Mityushina, L.L., Ultrastructure of Alkaliphilic Heterotrophic Bacteria Oxidizing Sulfur Compounds to Tetrathionate, no. 1, pp. 78–85.

Sorokin, D.Yu., On the Possibility of Nitrification in Extremely Alkaline Soda Biotopes, no. 3, pp. 335–339.

Sorokin, V.V., Nikitina, E.S., and Nikitin, D.I., The Element Composition of Diatoms, no. 3, pp. 306–309.

Sorokin, V.V., see Nikitin, D.I.

Sorokin, V.V., see Vainshtein, M.B.

Sozinov, D.Yu., see Rikhvanov, E.G.

Starostina, N.G., see Kalyuzhnaya, M.G.

Stepanshina, V.N., see Zhilenkov, E.L.

Stoyanova, L.G. and Egorov, N.S., Derivation of Efficient Nisin Producers by Fusing Protoplasts of Two Allied Strains of *Lactococcus lactis* subsp. *lactis* with Low Nisin-synthesizing Abilities, no. 1, pp. 38–44.

Strakhovskaya, M.G., Shumarina, A.O., Ivanova, E.V., and Fraikin, G.Ya., Involvement of Endogenous Porphyrins in the Inactivation of *Candida guilliermondii* by Visible Light, no. 3, pp. 297–299.

Strukova, S.M., see Landau, N.S.

Sukhodolets, V.V., see Averina, O.V.

Sumaroka, M.V., Antonyuk, L.P., and Ignatov, V.V., Membrane Phospholipids of *Azospirillum brasilense*, no. 1, pp. 51–53.

Suzina, N.E., see Duda, V.I.

Suzina, N.E., see Kalyuzhnaya, M.G.

Suzina, N.E., see Severina, L.O.

Suzina, N.E., see Vainshtein, M.B.

Svetoch, O.E., see Koretskaya, N.G.

Tarakanov, B.V. and Lavlinskii, D.Yu., Cellulolytic Bacteria of the Genus *Ruminococcus* from Bovine Rumen, no. 4, pp. 425–428.

Taran, V.V., see Potekhina, N.V.

Tarasova, N.B. and Belyaeva, M.I., The CO Dehydrogenase Activity of *Desulfovibrio desulfuricans* Growing under Chemoorganotrophic and Chemolithoheterotrophic Conditions, no. 5, pp. 504–508.

Terekhova, L.P., see Bulina, T.I.

Terent'ev, L.L., Terent'eva, N.A., Romanenko, L.A., Mikhailov, V.V., and Rasskazov, V.A., Nucleoside Kinases of Marine Bacteria: Occurrence and Properties, no. 4, pp. 407–413.

Terent'eva, N.A., see Terent'ev, L.L.

Tereshina, V.M., see Aleksandrova, E.A.

Thiemann, B., see Kompantseva, E.I.

**Tikhomirova, O.M., Vitovskaya, G.A., and Sinitskaya, I.A.**, Cellular Polysaccharides of *Cryptococcus laurentii* (Kufferath) Skinner, a Producer of Extracellular Heteroglycan, no. 1, pp. 61–65.

Tikhomirova, O.M., Vitovskaya, G.A., and Sinitskaya, I.A., Changes in the Composition of *Rhodotorula rubra* (Demme) Lodder Polysaccharides during Exomannan Synthesis, no. 1, pp. 66–70.

Tirranen, L.S., see Puzyr', A.P.

Tkachenko, A.G., Pshenichnov, M.R., Salakhetdinova, O.Ya., and Nesterova, L.Yu., The Role of Putrescine and Potassium Transport in the Regulation of DNA Topology during *Escherichia coli* Adaptation to Heat Stress, no. 5, pp. 494–498.

Tourova, T.P., Nazina, T.N., Poltaraus, A.B., and Osipov, G.A., Phylogenetic Position and Chemotaxonomic Characteristics of Sulfate-reducing Bacteria of the Genus *Desulfomicrobium*, no. 6, pp. 663–669.

**Tovkach, F.I.**, Biological Properties and Classification of *Erwinia carotovora* Bacteriocins, no. 6, pp. 636–642.

**Tovkach, F.I.**, Relationship between the Lytic Activity of Macromolecular Carotovoricins and Bacteriocin Sensitivity of Producer Strains of *Erwinia carotovora*, no. 6, pp. 643–648.

Trilisenko, L.V., see Vagabov, V.M.

Troshina, O.Yu., see Fedorov, A.S.

Trotsenko, Yu.A., see Aminova, L.R.

Trotsenko, Yu.A., see Doronina, N.V.

Trotsenko, Yu.A., see Kalyuzhnaya, M.G.

Trotsenko, Yu.A., see Vasil'eva, L.V.

Tsaplina, I.A., see Kondrat'eva, T.F.

Tsaplina, I.A., see Krasil'nikova, E.N.

Tsygankov, A.A., see Fedorov, A.S.

Tul'skaya, E.M., see Potekhina, N.V.

Tusishvili, Kh.A., see Elisashvili, V.I.

Tyurin, M.V., see Bulina, T.I.

Tyurin, M.V., Voroshilova, E.B., Rostova, Yu.G., Oparina, N.Yu., and Gusyatiner, M.M., Electrical Responses of the Internal Membrane Structures of Corynebacteria during Electrotransformation, no. 3, pp. 279–285.

Umarov, M.M., see Skvortsova, N.G.

Vagabov, V.M., Trilisenko, L.V., Shchipanova, I.N., Sibel'dina, L.A., and Kulaev, I.S., Changes in Inorganic Polyphosphate Length during the Growth of Saccharomyces cerevisiae, no. 2, pp. 153–157.

Vainshtein, M.B., Suzina, N.E., Kudryashova, E.B., Ariskina, E.V., and Sorokin, V.V., On the Diversity of Magnetotactic Bacteria, no. 6, pp. 670-676.

Validov, Sh.Z., Pan'kova, N.V., Kozlova, E.V., Kuz'min, N.P., Klimenko, V.V., and Boronin, A.M., Rapid Identification of *Lactobacillus plantarum* by RAPD-PCR, no. 3, pp. 317–322.

Varakina, N.N., see Rikhvanov, E.G.

Vasil'eva, L.V., Savel'eva, N.D., Omel'chenko, M.V., Lysenko, A.M., Pusheva, M.A., Trotsenko, Yu.A., and Zavarzin, G.A., Arthrobacter crygenae sp. nov. and Acidovorax psychrofacilis sp. nov., Psychrophilic Hydrogen Bacteria from Tundra Soil, no. 2, pp. 195–200.

Vasyukova, N.I., see Ozeretskovskaya, O.L.

Veremeichenko, S.N., Characteristics of the Lipopolysaccharide of *Pseudomonas fluorescens* IMV 1433 (Biovar I), no. 4, pp. 414–419.

Vershinina, V.I., see Znamenskaya, L.V.

Vinokurova, N.G., see Kozlovskii, A.G.

Vishnivetskaya, T.A., see Erokhina, L.G.

Vitovskaya, G.A., see Anan'eva, E.P.

Vitovskaya, G.A., see Tikhomirova, O.M.

Voinikov, V.K., see Rikhvanov, E.G.

Voloshin, A.N., see Solodovnikova, N.Yu.

Volova, T.G., Kalacheva, G.S., and Plotnikov, V.F., Biosynthesis of Heteropolymeric Polyhydroxyalkanoates by Chemolithoautotrophic Bacteria, no. 4, pp. 420–424.

Vorob'ev, N.I., see Belimov, A.A.

Vorob'eva, L.I. and Cherdyntseva, T.A., 4-Nitroquinoline-1-Oxide-induced Resistance to Ultraviolet Irradiation and Nalidixic Acid in *Enterococcus faecalis*, no. 4, pp. 429–432.

Vorob'eva, L.I., see Zinchenko, A.A.

Voroshilova, E.B., see Tyurin, M.V.

Votyakova, T.V., Mukamolova, G.V., Shtein-Margolina, V.A., Popov, V.I., Davey, H.M., Kell, D.B., and Kaprel'yants, A.S., Research on the Heterogeneity of a *Micrococcus luteus* Culture during an Extended Stationary Phase: Subpopulation Separation and Characterization, no. 1, pp. 71–77.

Yakunin, A.F., see Fedorov, A.S.

Yusupov, S.K., see Rusanov, I.I.

Zaitseva, L.V., see Gerasimenko, L.M.

Zakariashvili, N.G., see Elisashvili, V.I.

Zakharchenko, V.N., see Zyakun, A.M.

Zakharchuk, L.M., see Krasil'nikova, E.N.

Zav'yalova, L.A., see Aleksandrova, E.A.

Zavarzin, G.A., J. J. Perry and J. T. Staley, *Microbiology: Dynamics and Diversity*, Fort Worth, Saunders College, 1997, no. 1, pp. 116–117.

Zavarzin, G.A., see Pikuta, E.V.

Zavarzin, G.A., see Vasil'eva, L.V.

Zenova, G.M., see Somova, N.G.

Zhang Xiping, see Kalebina, T.S.

Zhilenkov, E.L., Shemyakin, I.G., Fomchenkov, V.M., Ivanov, A.Yu., Gavryushkin, A.V., and Oborotov, M.V., Investigation of Mycobacteriophage MTPH11-Host Cell Interaction by Electron Microscopy, Fluorometry, and Electro-Orientational Spectroscopy, no. 5, pp. 550–554.

Zhilenkov, E.L., Shemyakin, I.G., Stepanshina, V.N., Korobova, O.V., Oborotov, M.V., and Dorozhkova, I.R., Properties of Mycobacteriophage MTPH11, no. 5, pp. 545–549.

Zhilina, T.N., see Pikuta, E.V.

Zinchenko, A.A., Vorob'eva, L.I., Gordeeva, E.A., Khodzhaev, E.Yu., Ponomareva, G.M., and Nokel', E.A., Isolation and Purification of a Protective Protein from *Propionibacterium freudenreichii* subsp. *shermanii* Cells, no. 4, pp. 433–437.

Zinchenko, V.V., see Fedorov, A.S.

Znamenskaya, L.V., Morozova, O.V., Vershinina, V.I., Krasnov, S.I., Shul'ga, A.A., and Leshchinskaya, I.B., Biosynthesis of Extracellular Guanyl-Specific Ribonuclease by *Bacillus circulans*, no. 5, pp. 509–514.

Zvyagintsev, D.G., see Polyanskaya, L.M.

Zvyagintseva, I.S., Kostrikina, N.A., and Belyaev, S.S., Detection of Halophilic Archaea in an Upper Devonian Oil Field in Tatarstan, no. 6, pp. 688–691.

Zvyagintseva, I.S., see Milekhina, E.I.

Zyakun, A.M., Zakharchenko, V.N., Ivanovskii, R.N., Keppen, O.I., Kudryavtseva, A.I., Mashkina, L.P., and Peshenko, V.P., Fractionation of Carbon Isotopes by Ectothiorhodospira shaposhnikovii during Photomixotrophic Growth, no. 1, pp. 1-6.

Award of the Bergey Medal to Academician G.A. Zavarzin no. 4, p. 476

Author Index to Volume 67, 1998, no. 6, pp. 721-728

